

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in the captioned patent application:

Listing of claims:

1. (Currently Amended) A method of providing information related to one or more networks, the method comprising:

displaying on a display a plurality of filter criteria, wherein the plurality of filter criteria comprises a first selectable list of network device types and a second selectable list of a plurality of status levels for each of a plurality of network devices in said one or more networks;

receiving a user selection of the plurality of filter criteria, including a selection of at least one of the network device types and at least one of said status levels;

retrieving network device information related to the plurality network devices in said one or more networks which satisfy said selected plurality of filter criteria; ~~and~~

performing Boolean queries on said plurality of filter criteria in said retrieved network device information;

setting attributes for network devices based on data collected, wherein said data collected further comprises retrieved network device information and said Boolean queries of said plurality of filter criteria, and

creating for display on a single display page a visual representation of said network device information, said visual representation comprising a first segment which is visually distinguishable from a second network segment by indicia, wherein said visual representation of the first and second network segments comprises a plurality of icons representing the plurality of network devices which satisfy said selected filter criteria, and wherein said visual representation illustrates connectivity of said displayed plurality of network devices and illustrates a first connection between the first and second network segments.

2. (Previously Presented) The method of claim 1, wherein said retrieving network device information comprises:

retrieving network segment information for each of said network devices which satisfy said filter criteria, said network segment information defining which of said first or second network segments to which said each of said network devices is physically connected.

3. (Previously Presented) The method of claim 2, wherein said creating said visual representation of said network device information comprises:

creating said visual representation based on said retrieved network segment information.

4. (Previously Presented) The method of claim 3, wherein said network segment information includes information related to said first and second segments, and wherein said creating said visual representation of said network device information comprises:

creating said visual representation whereby said visual representation is divided into said first and second segments.

5-8. (Canceled)

9. (Previously Presented) The method of claim 1, wherein said retrieving network device information further comprises:

retrieving said network device information from a database.

10-12. (Canceled)

13. (Previously Presented) The method of claim 1, further comprising:

displaying said visual representation.

14. (Currently Amended) A network management node connected to one or more networks, said network management node comprising:

a plurality of modules stored on a computer readable medium; and

a database storing information related to a plurality of network devices in said one or more networks, wherein said plurality of modules are operable to:

display on a display a plurality of filter criteria, wherein the plurality of filtered criteria comprises a first selectable list of network device types and a second selectable list of a plurality of status levels for each of the plurality of network devices in said one or more networks;

receive a user selection of the plurality of filter criteria, including a selection of at least one of the network device types and at least one of said status levels;

store filter information regarding said selection of filter criteria in the database;

retrieve network device information based on said filter information from said database; and

perform Boolean queries on said plurality of filter criteria in said retrieved network device information;

set attributes for network devices based on data collected, wherein said data collected further comprises retrieved network device information and said Boolean queries of said plurality of filter criteria, and

create a visual representation comprising a first network segment which is visually distinguishable from a second network segment by indicia, wherein said visual representation of the first and second network segments comprises a plurality of icons representing the plurality of network devices which satisfy said selected filter criteria, and wherein said visual representation illustrates connectivity of said displayed plurality of network devices and illustrates a first connection between the first and second network segments.

15. (Canceled)

16. (Previously Presented) The network management node of claim 14, further comprising:

a network interface operable to transmit said visual representation of said network device information over the Internet.

17. (Currently Amended) A computer readable storage device which is stored a program, the program performing a method for providing information related to one or more networks, the method comprising:

displaying on a display a plurality of filter criteria, wherein the plurality of filter criteria comprises a first selectable list of network device types and a second selectable list of a plurality of status levels for each of a plurality of network devices in said one or more networks;

receiving a user selection of the plurality of filter criteria, including a selection of at least one of the network device types and at least one of said status levels;

retrieving network device information based on said selected filter criteria, said network device information being related to the plurality network devices in said one or more networks;
and

performing Boolean queries on said plurality of filter criteria in said retrieved network device information;

setting attributes for network devices based on data collected, wherein said data collected further comprises retrieved network device information and said Boolean queries of said plurality of filter criteria, and

creating a visual representation a first network segment which is visually distinguishable from a second network segment by indicia, wherein said visual representation of the first and second network segments comprises a plurality of icons representing the plurality of network devices which satisfy said selected filter criteria, and wherein said visual representation illustrates connectivity of said displayed plurality of network devices and illustrates a first connection between the first and second network segments.

18-20. (Canceled)

21. (Previously Presented) The method of claim 1, wherein the visual representation further comprises a third network which is visually distinguishable from the first and second network segments by indicia.

22. (Previously presented) The method of claim 22 wherein said visual representation of the third network segment comprises a plurality of icons representing the plurality of network devices which satisfy said selected filter criteria, and wherein said visual representation illustrates connectivity of said displayed plurality of network devices and illustrates a second connection between the third network segment and either the first or second network segment.

23. (Previously Presented) The network management node of claim 14, wherein the visual representation further comprises a third network which is visually distinguishable from the first and second network segments by indicia.

24. (Previously Presented) The network management node of claim 23, wherein said visual representation of the third network segment comprises a plurality of icons representing the plurality of network devices which satisfy said selected filter criteria, and wherein said visual representation illustrates connectivity of said displayed plurality of network devices and illustrates a second connection between the third network segment and either the first or second network segment.

25. (Previously Presented) The computer readable storage device claim 17, wherein the visual representation further comprises a third network which is visually distinguishable from the first and second network segments by indicia.

26. (Previously presented) The computer readable storage device claim 25, wherein said visual representation of the third network segment comprises a plurality of icons representing the plurality of network devices which satisfy said selected filter criteria, and wherein said visual representation illustrates connectivity of said displayed plurality of network devices and illustrates a second connection between the third network segment and either the first or second network segment.

27. (Previously Presented) The method of claim 1, wherein the indicia does not connect any of the plurality of icons.

28. (Previously Presented) The network management node of claim 14, wherein the indicia does not connect any of the plurality of icons.

29. (Previously Presented) The computer readable storage device of claim 17, wherein the indicia does not connect any of the plurality of icons.

30. (Currently Amended) A method of providing information related to one or more networks, the method comprising:

displaying on a display a plurality of filter criteria, wherein the plurality of filter criteria comprises a selectable list of a plurality of status levels;

receiving a user selection of one or more of the plurality of filter criteria, including a selection of at least one of said status levels;

retrieving network device information related to the plurality network devices in said one or more networks which satisfy said selected plurality of filter criteria; ~~and~~

performing Boolean queries on said plurality of filter criteria in said retrieved network device information;

setting attributes for network devices based on data collected, wherein said data collected further comprises retrieved network device information and said Boolean queries of said plurality of filter criteria, and

creating for display on a single display page a visual representation of said network device information, said visual representation comprising a first segment which is visually distinguishable from a second network segment by indicia, wherein said visual representation of the first and second network segments comprises a plurality of icons representing the plurality of network devices which satisfy said selected filter criteria, wherein the indicia does not connect any of the plurality of icons and wherein said visual representation illustrates connectivity of said displayed plurality of network devices and illustrates a first connection between the first and second network segments.